



Attorney's Docket No.: 06868-005002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Anthony J.F. D'Apice et al. Art Unit : 1633
Serial No. : 08/984,900 Examiner : S. Chen
Filed : December 4, 1997
Title : MATERIALS AND METHODS FOR MANAGEMENT OF HYPERACUTE
REJECTION IN HUMAN XENOTRANSPLANTATION

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT AND RESPONSE

In response to the comments in the Office Action mailed March 14, 2000, Applicants submit the following amendments and remarks.

Please amend the application as follows.

In the claims:

Cancel claims 68 and 69.

1. (Twice amended) A purified and isolated nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of (1) nucleotides 90 -1203 of the porcine nucleic acid sequence depicted in Figure 4 (SEQ ID NO: 7), (2) a sequence [corresponding to the sequence of (1) within the scope of the degeneracy of the genetic code] encoding a porcine polypeptide having α -1,3 galactosyltransferase activity and having the amino acid sequence of SEQ ID NO:10, (3) a sequence that [encodes a porcine polypeptide having α -1,3 galactosyltransferase activity and that hybridizes with a sequence complementary to the sequence of (1) or (2) after a wash at 65°C in a buffer containing 0.1% SDS and not greater than 0.5 x SSC,] encodes a second polypeptide identical to said porcine polypeptide except for one or

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

August 14, 2000

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Paula T. Romeo

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